L.O: I can describe lines

Describing Lines

A **vertical** line goes up and down.

A **horizontal** line goes left to right.

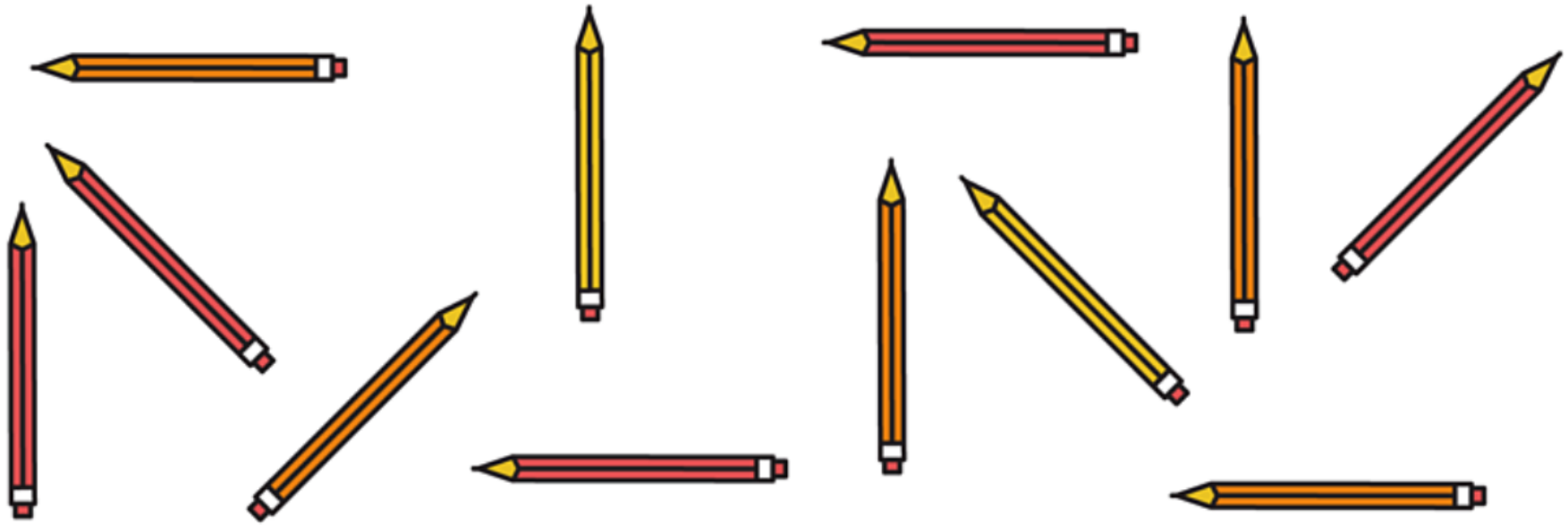
Vertical

Horizontal

Why not have a look around and see if you can find any horizontal and vertical lines?

Describing Lines

Now have a look at the pencils below. Can you count how many **vertical** and **horizontal** pencils there are?



Describing Lines

Parallel lines are two lines that are always the same distance apart and never meet, just like railway tracks.

To show that two lines are parallel, you draw matching arrows on each line facing the same direction.

Describing Lines

Perpendicular lines are lines that meet at a right angle (90°), like a corner of a room or the edge of a book.

To show that two lines are perpendicular, you draw the right-angle sign in the corner where the two lines meet.

Describing Lines

Look at the **trapezium** below.

The top and bottom lines are parallel because they will never meet and will stay the same distance apart, no matter how long the lines go on for!

The parallel lines have been marked with matching arrows.

The trapezium also has perpendicular lines, which have formed two right angles. They are marked with the small square symbol in the corners.

Describing Lines

This **parallelogram** has no right angles so no perpendicular lines, but it does have two sets of parallel lines.

The two sets of matching arrows show you which lines are parallel.

How many parallel and perpendicular lines can you see around your house?